AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

Claims 1-33 (cancelled)

34. (currently amended) A device for arc welding fasteners to a coated sheet metal structure comprising:

a welding head configured to hold the fasteners;

a power supply to supply electrical energy to the fastener; [[and]]

a mechanism for moving the welding head relative to the sheet metal structure, wherein the mechanism is configured to drive the fastener in an oscillating motion about a lengthwise axis of the fastener;

a holder provided to accommodate the fastener to be welded,
wherein the holder is coupled to a drive lever having a radial segment moveable
from a first position to a second position between two mutually opposed coils.

35. (cancelled)

36. (previously presented) The device according to Claim 34 wherein the welding head comprises a magnetic drive to generate oscillating motion about the lengthwise axis.

- 37. (cancelled)
- 38. (currently amended) The device according to Claim 35 A device for arc welding fasteners to a coated sheet metal structure comprising:

a welding head configured to hold the fasteners;

a power supply to supply electrical energy to the fastener;

a mechanism for moving the welding head relative to the sheet metal structure, wherein the mechanism is configured to drive the fastener in an oscillating motion about a lengthwise axis of the fastener; and

a holder provided to accommodate the fastener to be welded, wherein the holder is coupled to an eccentric drive to generate the oscillating motion about the lengthwise axis.

- 39. (previously presented) The device according to Claim 35 wherein the holder is moveable in a first and second direction relative to the structure.
- 40. (previously presented) The device according to Claim 34 further comprising a linear drive coupled to the weld head.

- 41. (previously presented) The device according to Claim 34 wherein a weld head defines an opening which is configured to be connected to a source of one of vacuum or compressed air.
- 42. (previously presented) The device according to Claim 34 further comprising a electro-magnet configured to generate a magnetic field to deflect an electronic arc set up between the fastener and the structure on a closed path about a lengthwise axis of the fastener.
- 43. (previously presented) A device for arc welding a fastener to a coated sheet metal structure comprising:
 - a welding head configured to hold the fastener;
- a power supply configured to supply electrical energy to the fastener; and
- a means for moving the fastener relative to the sheet metal to as to cause the fastener to fracture the coating.
- 44. (previously presented) The device according to Claim 43 comprising a means for oscillating the fastener about a longitudinal axis of the fastener.
 - 45. (cancelled)

- 46. (previously presented) The device according to Claim 43 comprising a means for applying a cleaning current so as to produce a cleaning arc between the fastener and the structure.
- 47. (previously presented) The device according to Claim 43 comprising a means for applying a welding current between the fastener and the structure.
- 48. (previously presented) The device according to Claim 43 comprising a means for supplying one of a vacuum or air pressure to the fastener.
- 49. (previously presented) The device according to Claim 46 comprising a means for generating a magnetic field to deflect the cleaning arc.